



P4 HY 300BASE



BASE CONFIGURATION OVERVIEW

THE P4 HY 300BASE Hydroelectric ROV System has been specifically configured for Engineers and Service Managers to quickly and effectively perform a variety of basic underwater infrastructure inspection tasks. Getting into tight spaces or intakes is no problem as the maximum diameter of the VideoRay is no more than 12 inches (25.4 cm). The VideoRay can and will go places few other ROVs can access. The ROV operator will gain valuable insight into the integrity of the structure while noticing immediate payback on this essential investment.



BASE SYSTEM COMPONENTS

- P4 ROV Submersible
- P4 Control Panel (Monitor Not Included)
- Standard Computer With 15 Inch Display
- VideoRay Cockpit Control Software Included
- Wireless Programmable Hand Controller
- Plug and Play Performance Tether:
 - 40m (130 ft) Neutrally Buoyant
- Pelican 1620 Hard Case with Custom Packaging
- Owners Manual
- Basic Tool Kit With Complete Ballast Set
- Sunshade
- Three (3) Days of Open Enrollment Training for One Operator



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P4 HY 300BASE SPECIFICATIONS

GENERAL SYSTEM

Power Requirements	800 watts, 100-240 VAC
Total System Weight	41.5 kgs (91.4 lbs)
Cases	Two Watertight Rugged Pelican Cases
Owners Manual	Hard Copy & Online Digital
System Tool Kit	Basic Tool Kit
Communications Protocol	RS485
Warranty	2 year limited

SUBMERSIBLE

Depth Rating	305m (1,000 feet)
Size	36.8, 26.7, 21.6 cm (14.5, 10.5, 8.5 in)
Weight	6.1 kgs (13.5 lbs) With Full Ballast Set
Ballast	No Tools Ballast System with Complete Brass Ballast Set

Propulsion

4.2 Knots Maximum Speed	
Horizontal	Vertical
2 Brushless	1 Brushless
Direct drive	Geared
100mm Propellers	65mm Propeller

Camera

Main	High Resolution - NTSC or PAL Format Color and B&W Wide Dynamic Range Digital Slow Shutter White Balance 20+ Real Time Camera Settings
Sensitivity	Color mode: .004 lux B&W mode: .0001 lux
View Angle	90° Horizontal/140° Diagonal
Tilt	160° Servo Control

Lighting

(2) LED Array with 24 Emitters 3,600 lumens	Beam Spread Covers Entire Range of Main Camera
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Integrated Sensors

3D-Tilt Compensated Compass	Leak Indicator	Operating Volt Meter
Accelerometer	Water Temperature	
MEMS Gyro	Internal Temperature	

CONTROL PANEL

Size	53, 43, 22 cm (21,17, 8.5 in)
Weight	16 kgs (35 lbs)
Computer	Standard i7 Computer with 15 Inch High Resolution Screen Display
Software	Programmed with complete suite of VideoRay Cockpit Control software
Main Display	Available as an Upgrade on BASE Configurations
Controller	Wireless USB Programmable Hand Controller
Recording	Integrated Recording (.WMV format) One Button Hand Controller Video and Still Image Recording
Overlay	Date, Time, Depth, Heading, Customized Text, Logo
Video Out	Digital or Analog Composite

TETHER

40 m (130 ft) total length, Plug and Play Tether:
40m Professional Performance Tether - 8mm diameter, 454 kg (1,000 lbs) breaking strength

Management

Available as an Upgrade on BASE Configurations
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INTEGRATED ACCESSORIES

Inquire with an Authorized Sales Representative About Available Accessories For This ROV System



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